

CLAIM AMENDMENTS

Claim 1 (Currently Amended)

A filtration device comprising:

a filtration tank, having a filter bed an upper filter plate and a lower filter plate which are vertically separated,
the upper filter plate for supporting a layer of first particulate filtration media; and

a cleansing mechanism, comprising:

a vertically oriented hollow cleansing tank provided in the filtration tank;

a cleansing means, for conveying the first filtration media upwards within the cleansing tank while cleansing the first filtration media; and

a contaminant expulsion means, for expelling contaminants separated from the first filtration media during cleansing to the exterior of the filtration tank;
wherein:

during normal filtration, liquid which has been filtered by the filtration media is passed through the filter bed plates and discharged therethrough;

~~the filter bed comprises two vertically separated filter beds;~~

the upper filter ~~bed~~ plate comprises a great number of liquid passage portions, of a size which is difficult for the first filtration media to pass through; and

a layer of second filtration media, which are greater in size than the first filtration media, is provided between the two filter ~~beds~~ plates; and

liquid spraying pipes, for spraying the second filtration media provided between the two filter plates from the exterior, provided on the outer wall of the filtration tank,

wherein a cleansing fluid is sprayed toward the layer of the second filtration media by the liquid spraying pipes, to separate contaminants attached to the second filtration media by the stream of cleansing fluid.

Claim 2 (Original)

A filtration device as defined in claim 1, wherein:
the cleansing means comprises a screw conveyor, which is suspended from the upper portion of the filtration tank; and
the screw conveyor is configured to be rotated by a drive portion, which is provided at the upper portion of the filtration tank.

Claim 3 (Currently Amended)

A filtration device as defined in claim 1, wherein:

the upper filter ~~bed~~ plate is a mesh member, having mesh openings that constitute the liquid passage portions.

Claim 4 (Currently Amended)

A filtration device as defined in claim 1, wherein:

a plurality of strainers, for discharging the filtered liquid, are provided at the lower of the two filter ~~beds~~ plate.

Claim 5 (Cancelled)

Claim 6 (Currently Amended)

A filtration device as defined in claim 1, further comprising:

a vibration generating device, for imparting vibration to the second filtration media provided between the two filter ~~beds~~ plates; wherein:

vibration is propagated toward the layer of the second filtration media by the vibration generating device, to separate contaminants attached to the second filtration media by the vibration imparted thereto.